



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application

Inventors(s): Federico Capasso
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Deborah Lee Sivco

Case: 68-107-2-21-3-37

Serial No.: 09/883,542

Group Art Unit: Not Yet Assigned

Filing Date: June 18, 2001

Examiner: Not Yet Assigned

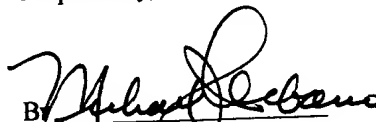
Title: Engineering the Gain/Loss Profile of Intersubband Optical Devices
Having Heterogeneous Cascades

RESPONSE TO NOTICE TO FILE MISSING PARTS

In response to the Office action August 15, 2001, Applicants herewith supply the following documents: (1) an original of their **Declaration & Power of Attorney** in the above-identified application, and (2) a copy of the **Notice to File Missing Parts of Application**.

The large entity missing parts fee of \$130.00 may be charged to the **Deposit Account 12-2325** of Lucent Technologies Inc. In the event of any non-payment or improper payment of a required fee, the Commissioner authorized to charge or credit the same account as required to correct the error.

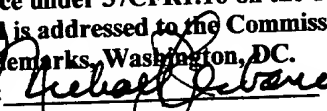
Respectfully,

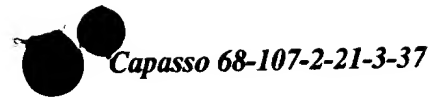
By 
Michael J. Urbano
Attorney for Applicant(s)
Reg. No. 24522
610-691-7710

Date: 10/09/01

Express Mail No. EF 023 155 249 US

Date of Deposit 10/09/01

I hereby certify that this Response is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37CFR1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, DC.
Michael J. Urbano: 



Attorney Name(s): **Michael J. Urbano**

Reg. No.: 24,522

Telephone calls should be made to **Michael J. Urbano** at:

Phone No.: 610-691-7710

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All written communications are to be addressed to:

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1445 Princeton Drive
Bethlehem, PA 18017-9166

[illegible]



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
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| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/883,542 | 06/18/2001 | Frederico Capasso | 68-107-2-21-3-37 |

CONFIRMATION NO. 1403

FORMALITIES LETTER



OC000000006430284

Micheal J. Urbano
1445 Princeton Drive
Bethlehem, PA 18017-9166

Date Mailed: 08/15/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

A copy of this notice **MUST** be returned with the reply.

Adjustment date: 12/18/2001
12/12/2001 AMUNDAP1 00000043
01 FC:105 130.00 CR
10/12/2001 MBERHE 00000099 122325 09883542
01 FC:105 130.00 CH

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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